

FIG. 1A

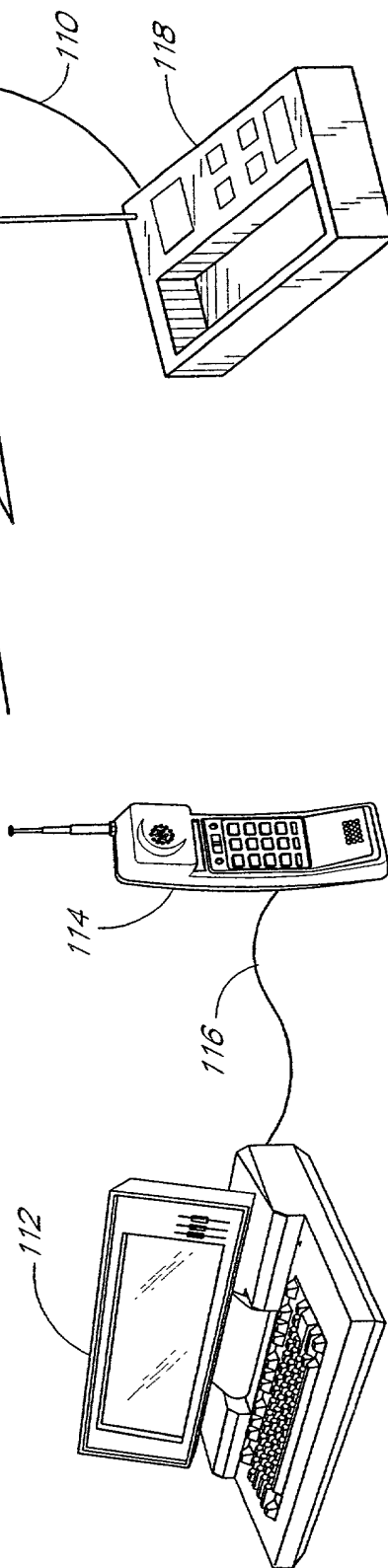


FIG. 1B

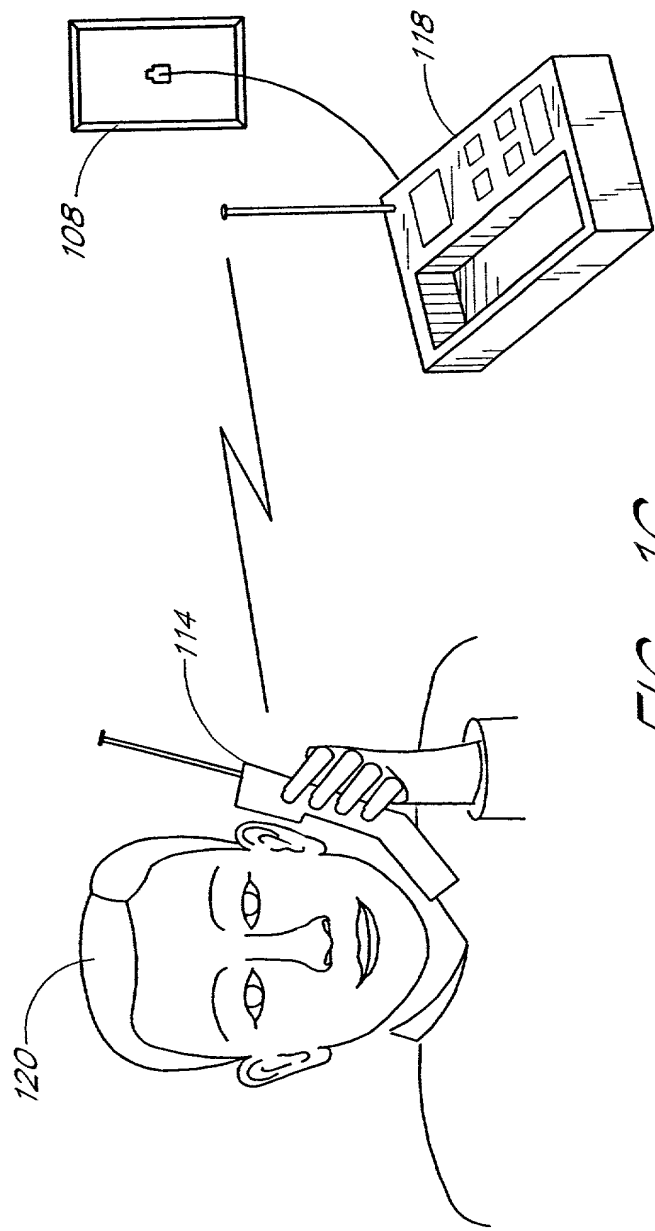


FIG. 1C

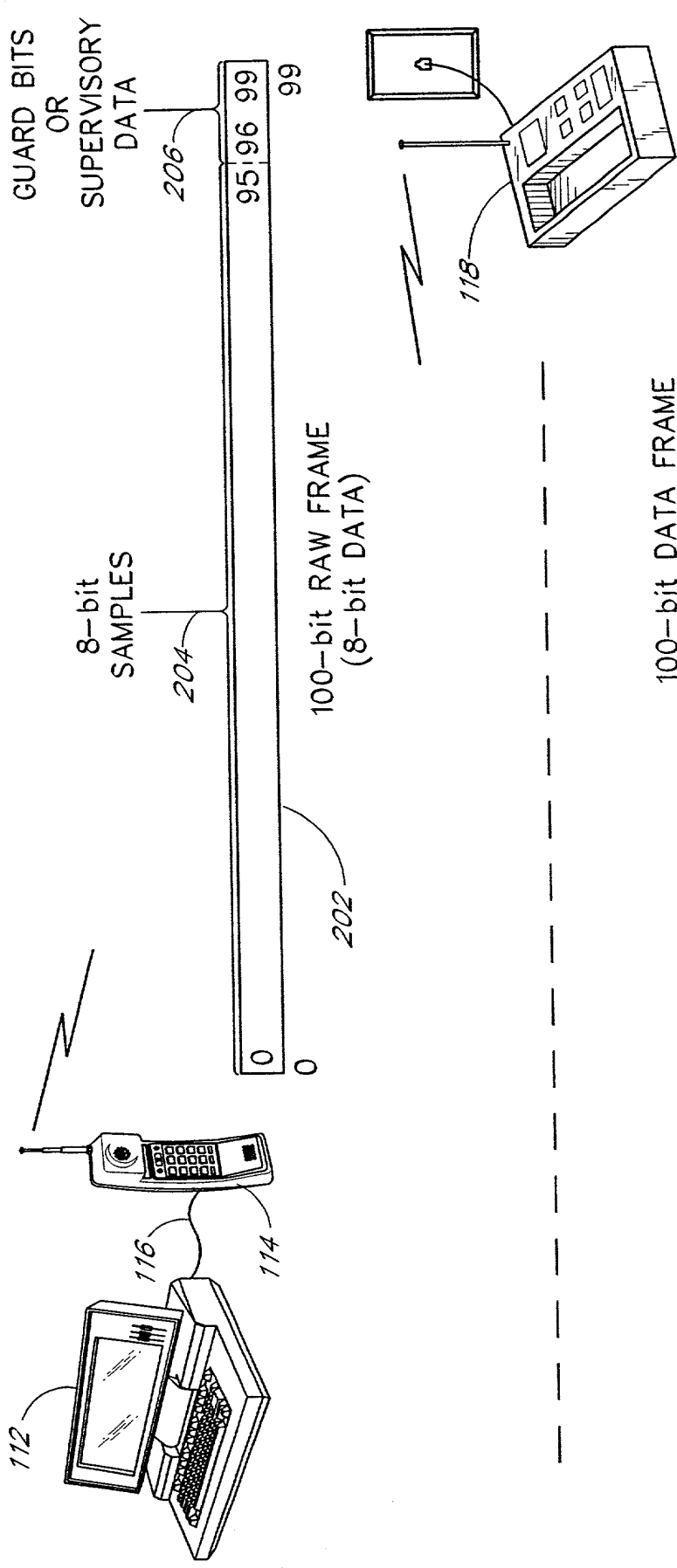
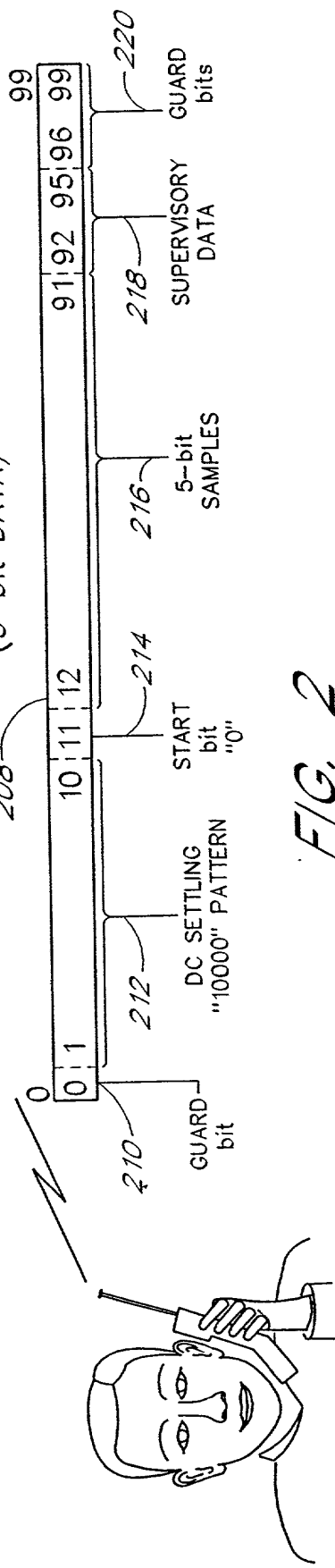


FIG. 2



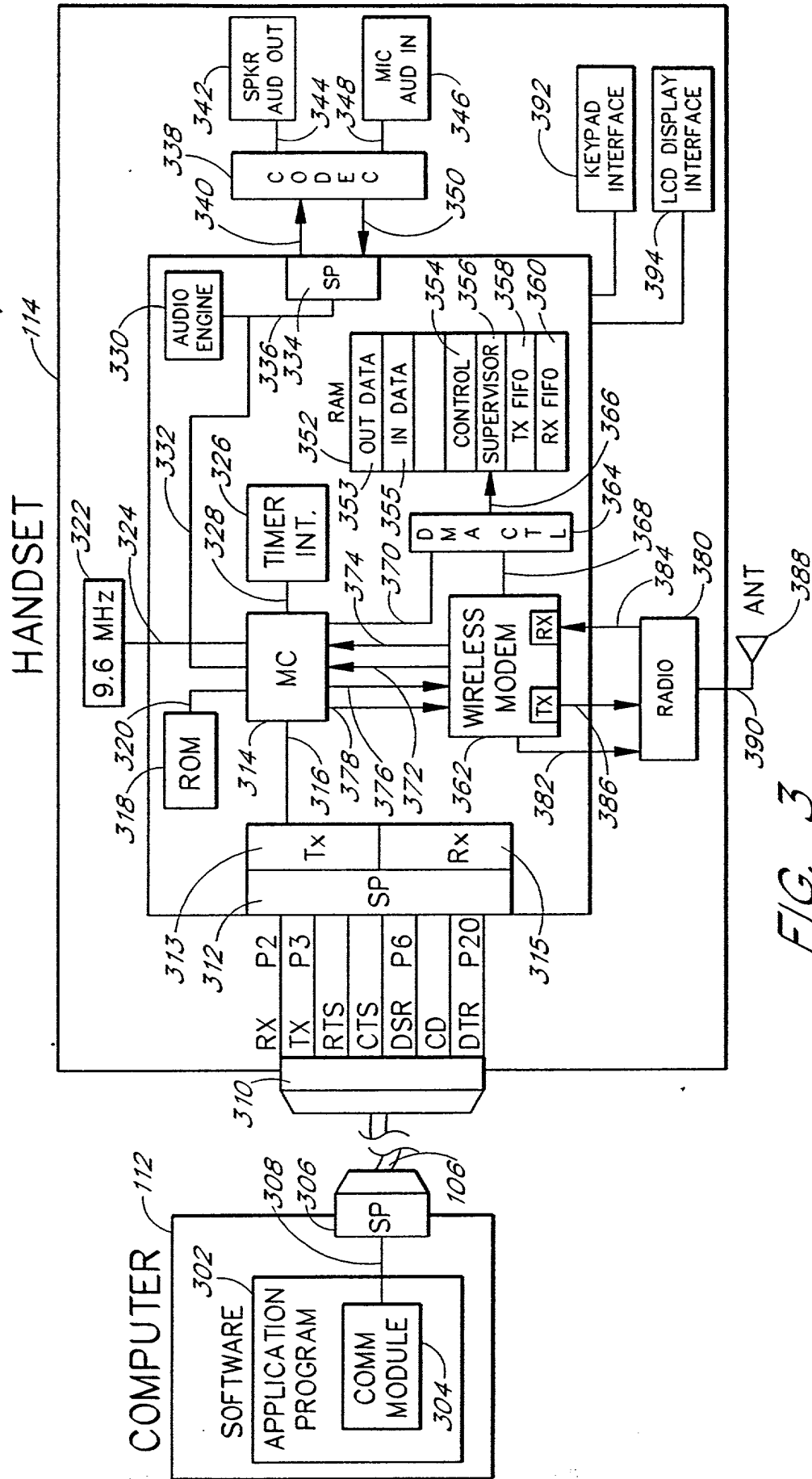
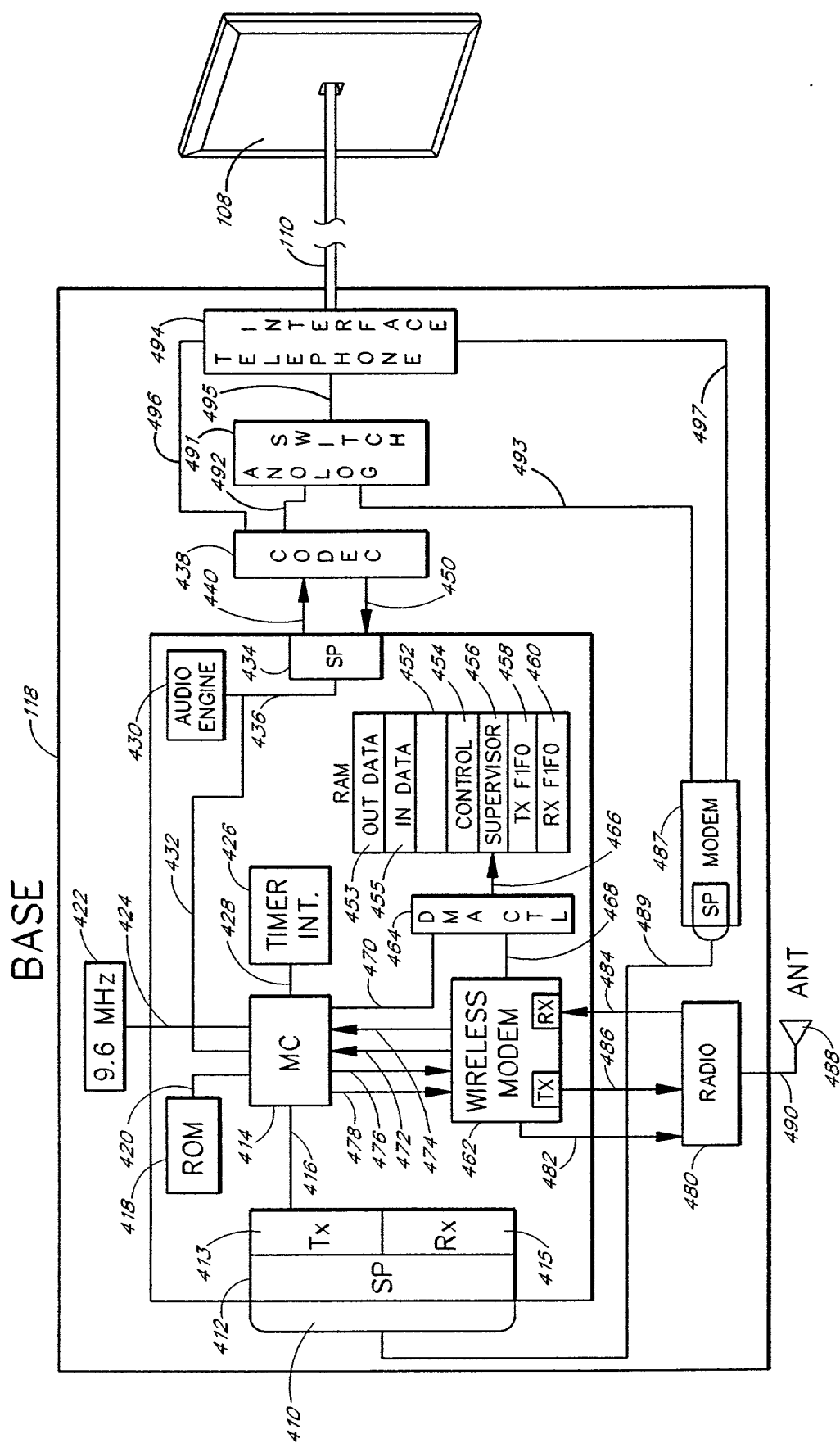


FIG. 3



F/G. 4

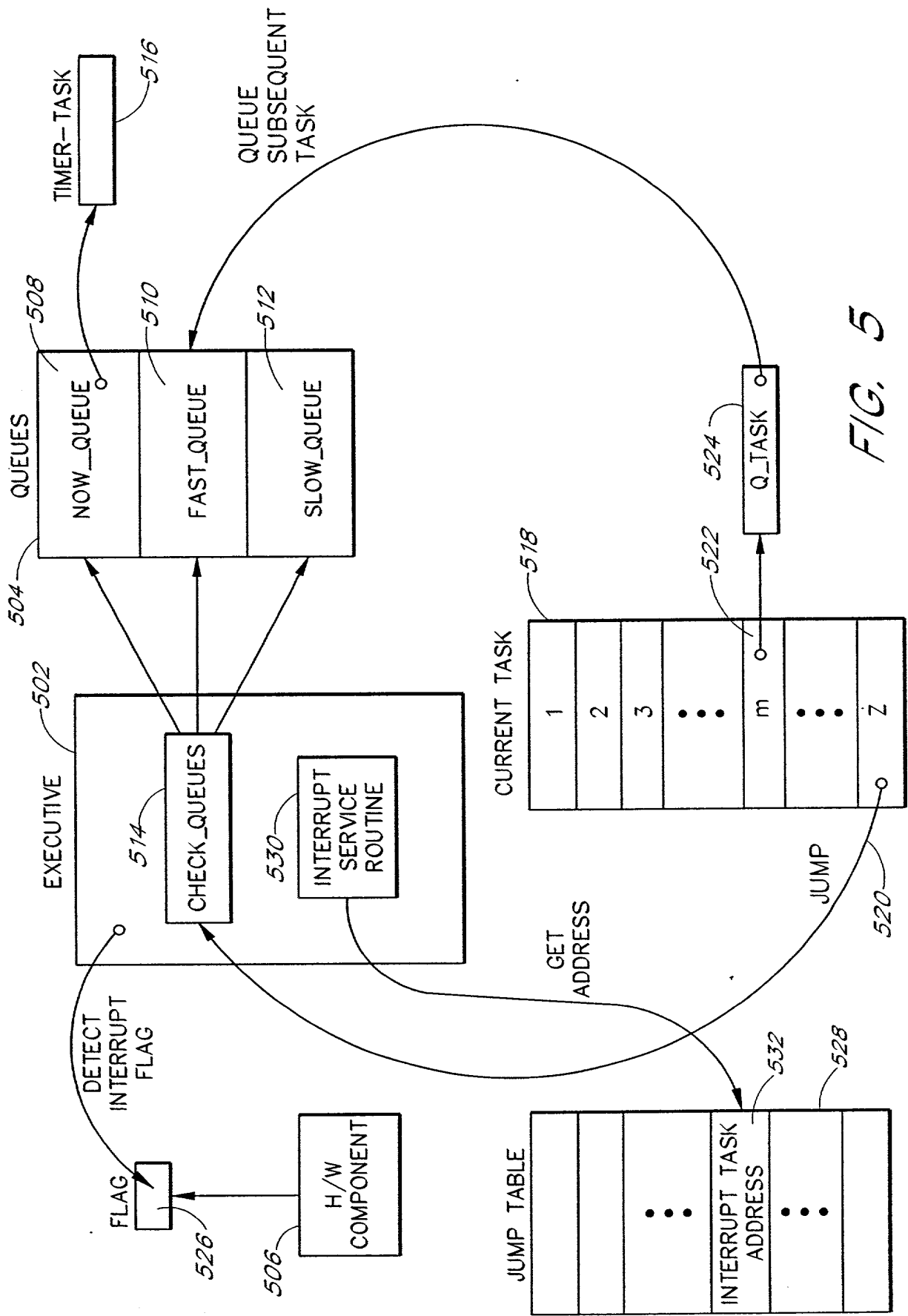


FIG. 5

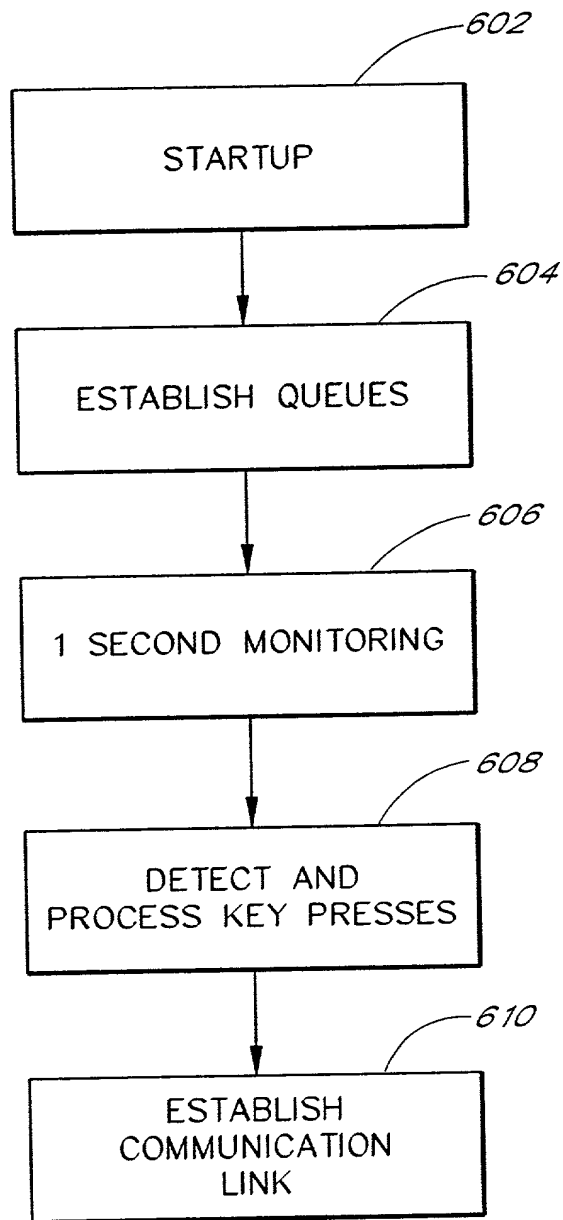


FIG. 6

FIG. 7 is a block diagram of a system for processing voice data in a handset and a base station. The handset (114) includes a microphone (702) that converts voice data to digital samples. These samples are then processed by a codec engine (704) to produce compressed samples. These compressed samples are transferred to a wireless modem (706) and then formatted into a 100-bit data frame (708) for transmission to the base station. The base station (118) receives the data frame and extracts the 100-bit data frame samples (710). These samples are then processed by a modem (712) and an audio engine (714) to produce decompressed digital samples. These samples are converted to analog (716) and transmitted to a phone line.

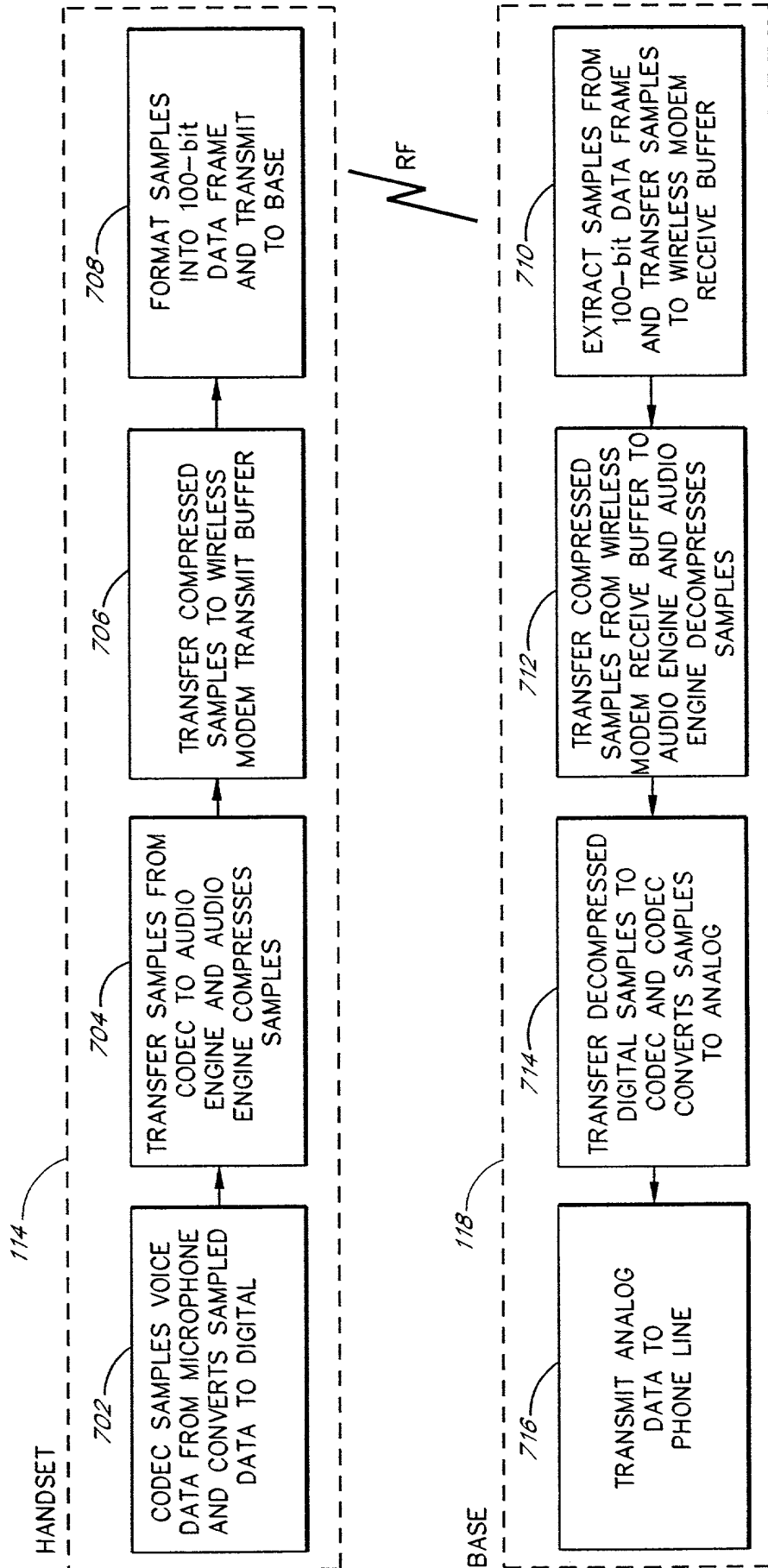


FIG. 7



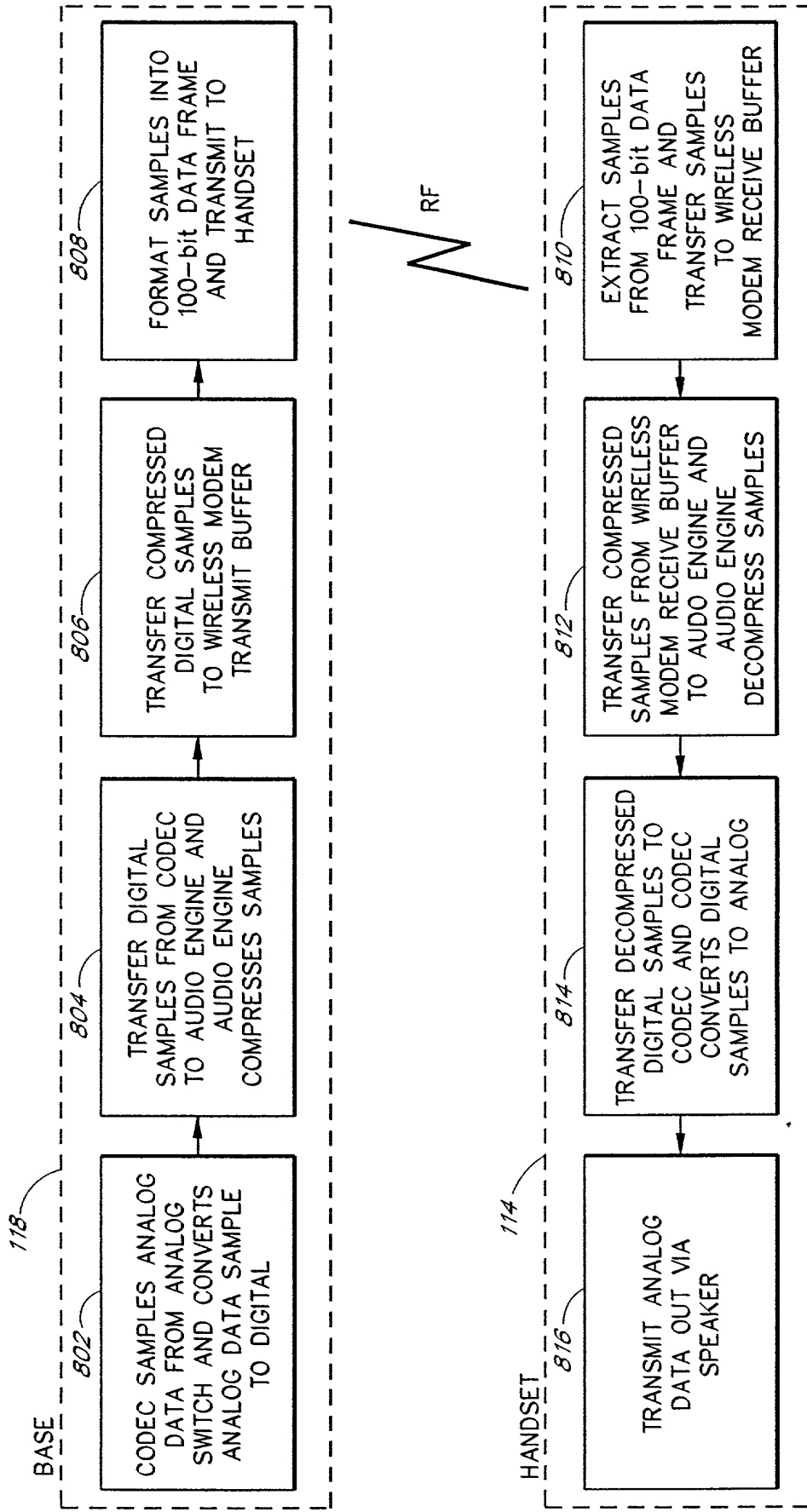


FIG. 8

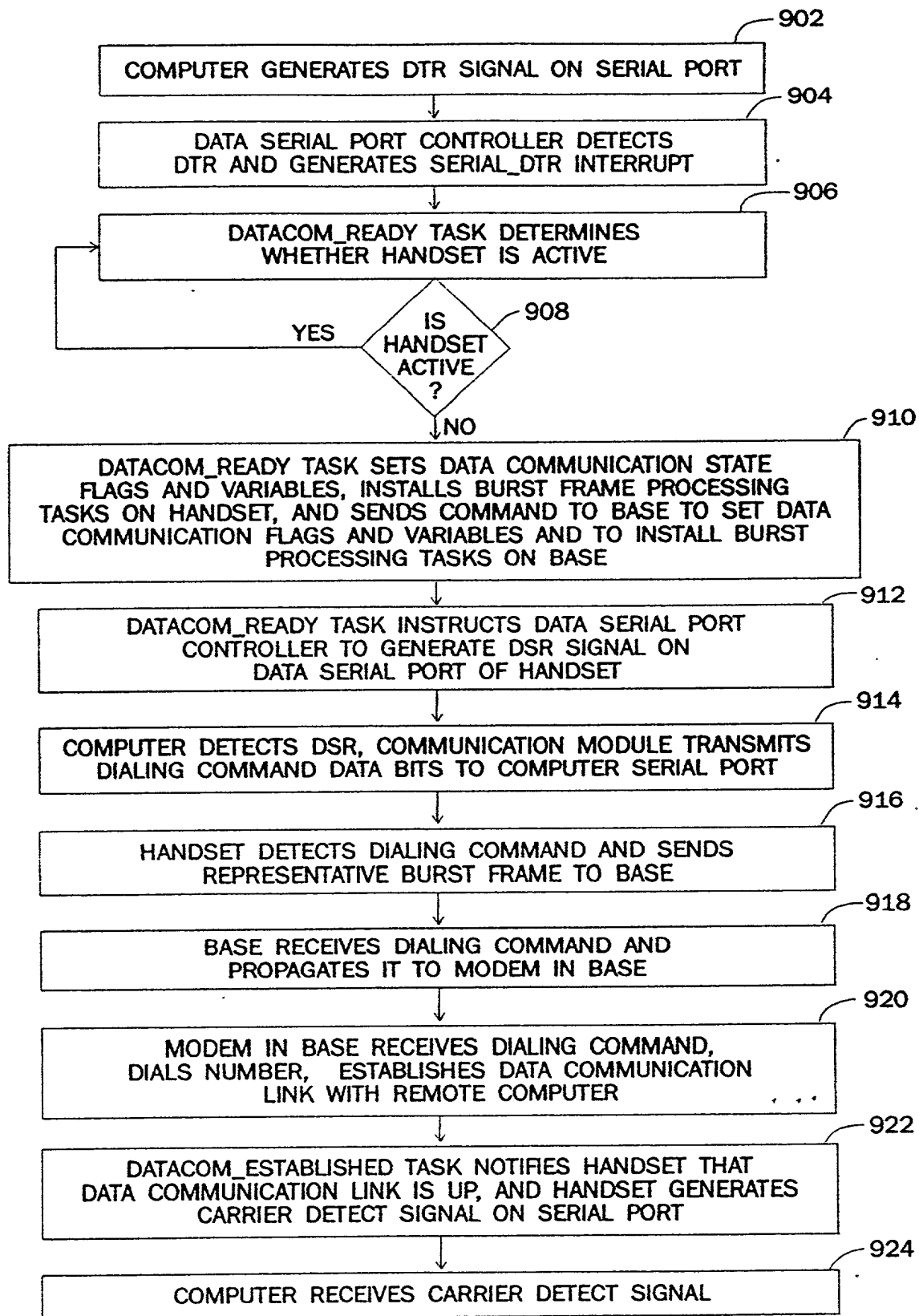
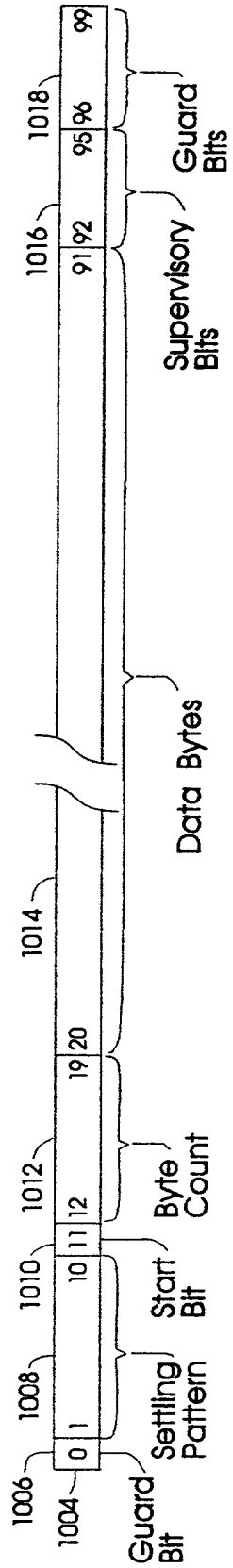


FIG. 9

1002

# Data Frame



# Raw Frame

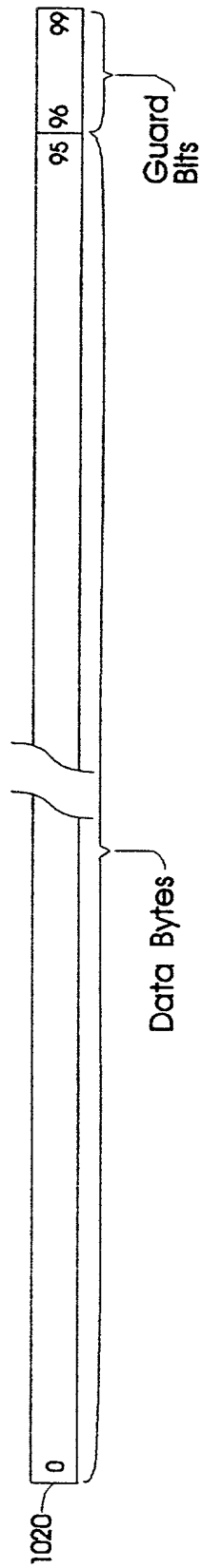


Fig. 10



HANDSET

BASE

114

118

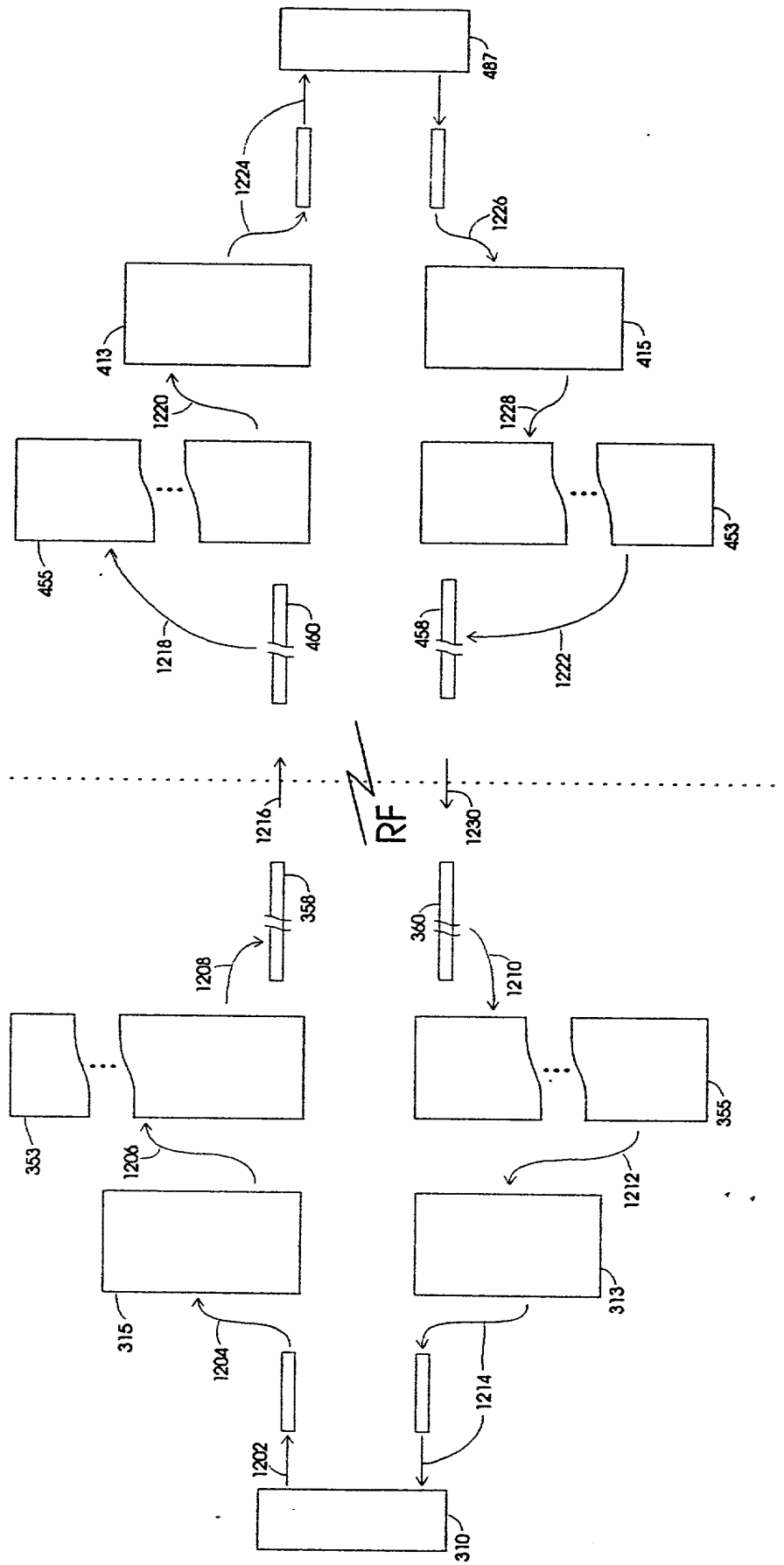


Fig. 12

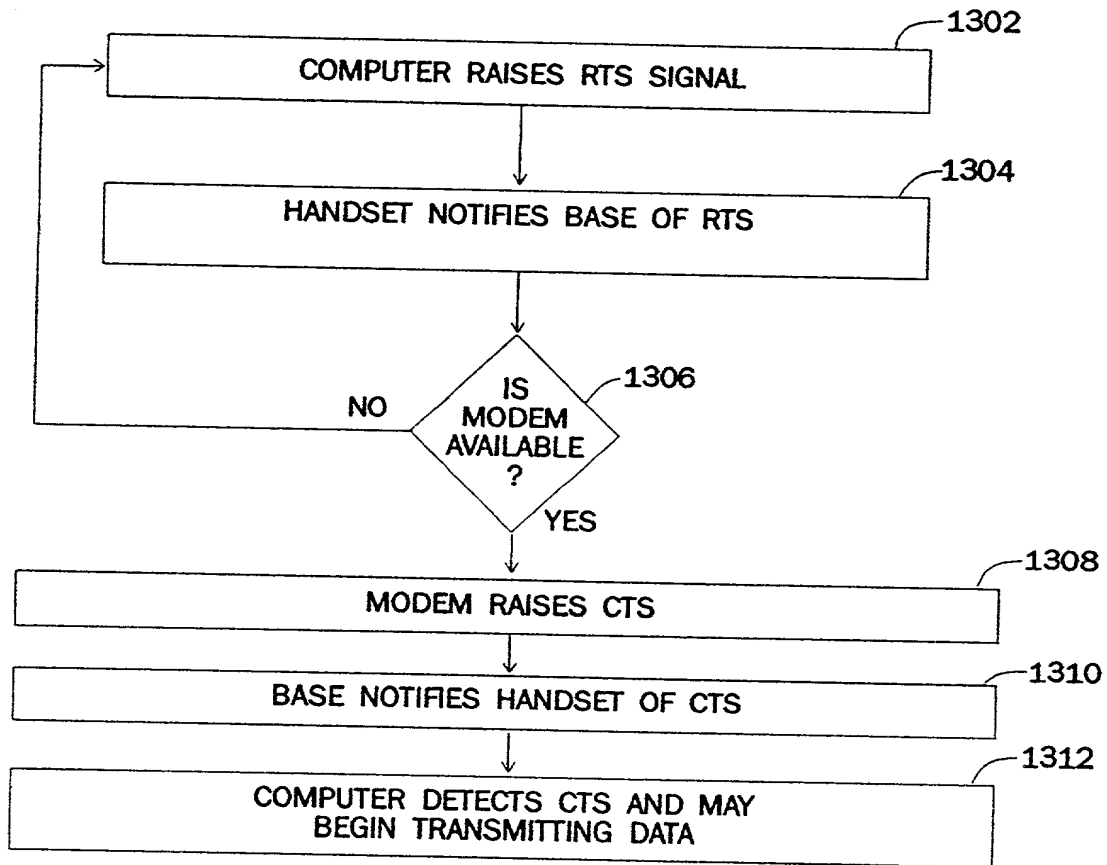


FIG. 13

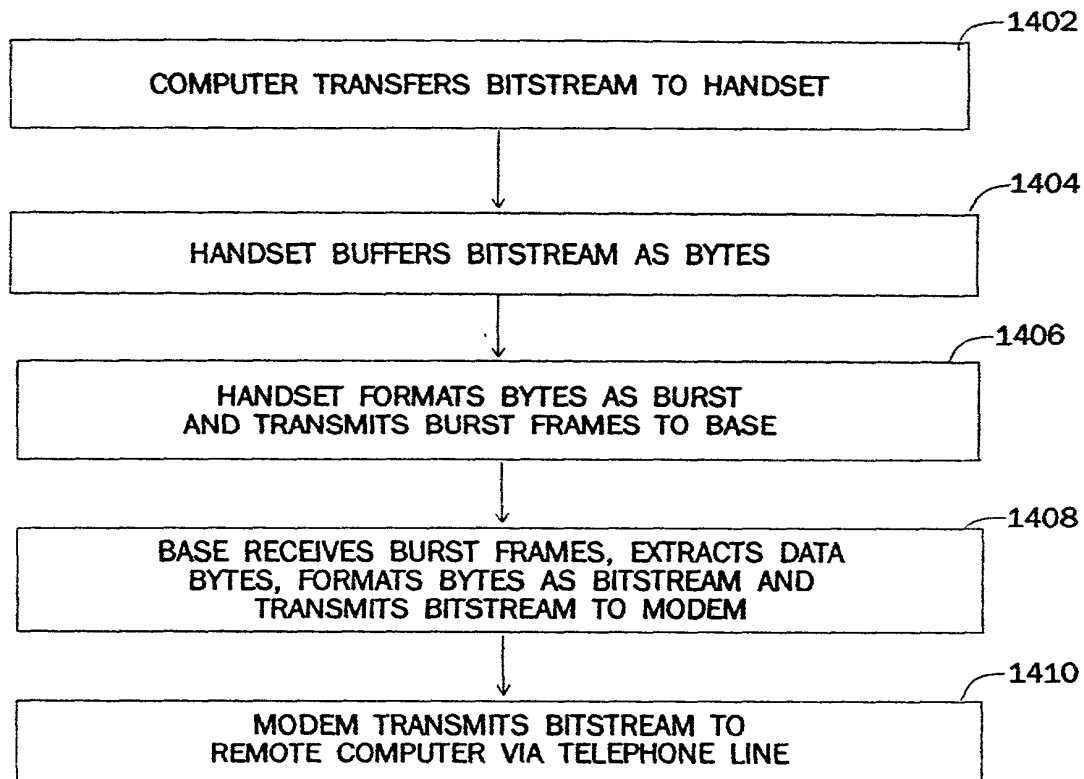


FIG. 14

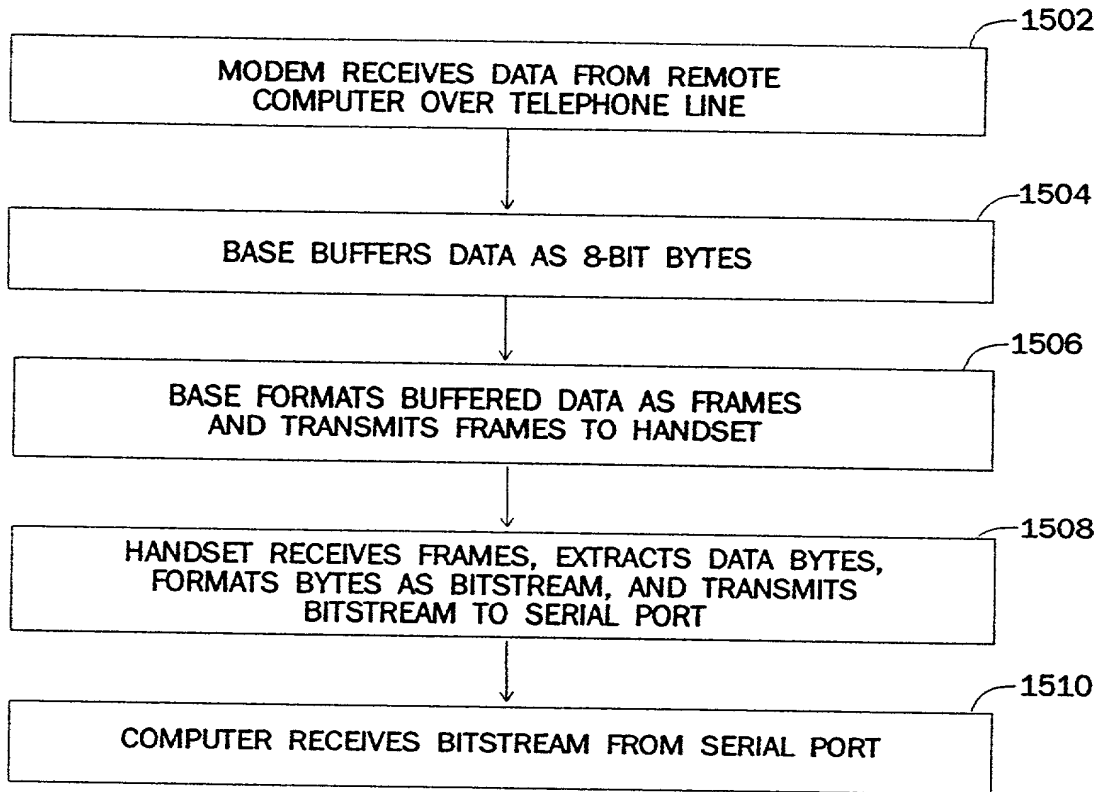


FIG. 15